

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6274hs5#trmpbf		(Engineering Calculation)				TSOT-23 (COL)	
(printed on: 2020-07-11 19:14:18)					TOTAL MASS (g) :		0.012813
COMPONENT MATERIAL	VENDOR/ INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL PKG.	
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.000880	1000000	68680.9609375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.005530	975000	431597.40625	
		Iron (Fe)	7439-89-6	0.000136	24000	10614.3310547	
		Phosphorus (P)	7723-14-0	0.000002	300	156.093093872	
		Zinc (Zn)	7440-66-6	0.000004	700	312.186187744	
		Nickel (Ni)	7440-02-0	0.000000	0	0	
		Silicon (Si)	7440-21-3	0.000000	0	0	
		Magnesium (Mg)	7439-95-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000000	0	0	
		Lead Frame Total:		0.005672	1000000	442680	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.000038	1000000	2955.46655273	
		External Plating Total:		0.000038	1000000	2955.46655273	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000080	1000000	6243.72363281	
		Internal Plating Total:		0.000080	1000000	6243.72363281	
Die Attach	ELECTRICALLY INSULATING ADHESIVE	Silver (Ag)	7440-22-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000000	0	0	
		Lead (Pb)	7439-92-1	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.000006	50000	468.279296875	
		Indium (In)	7440-74-6	0.000000	0	0	
		Metal Oxide		0.000038	300000	2965.76855469	
		Antimony (Sb)	7440-36-0	0.000000	0	0	
		Resin (EP)		0.000083	650000	6477.86328125	
		Die Attach Total:		0.000127	1000000	9911.91113281	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000346	58000	27004.1035156	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.005304	890000	413958.875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000298	50000	23257.8710938	
		Carbon Black (C)	1333-86-4	0.000012	2000	936.55859375	
		Encapsulation Total:		0.005960	1000000	465157.40625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000056	1000000	4370.60644531	
					TOTAL MASS (g) :		0.012813